

(FILE #USPAT# ENTERED AT 17141-E7 ON 22 AUG 91)

11 47 S POLYOL FATTY ACID POLYESTERS  
12 13 S L1 AND 536/CLAS  
13 3510 S MASS TRANSFER  
14 0 S L2 AND L3  
15 388 S INTERESTERIFICATION  
16 5 S L2 AND L5  
17 501 S BACKMIXING  
18 0 S L2 AND L7  
19 0 S L1 AND L7  
L10 1 S L7 AND 536/CLAS  
L11 0 S L10 AND MASS TRANSFER  
L12 1521 S PLUG-FLOW  
L13 7 S L12 AND 536/CLAS

=> 1 12 1-15

1. 5,343,438, Aug. 27, 1991, Process for the synthesis of polyol fatty-acid esters; Markus G. Buter, \*\*536/119\*\*; 260/410.7; \*\*536/115\*\*  
\*\*120\*\*  
\*\*124\*\* [IMAGE AVAILABLE]

2. 5,021,256, Jun. 4, 1991, Shortening compositions containing polyol polyesters; Timothy B. Guffey, et al., 426/601; 260/410, 410.5; 426/603, 606, 607, 611, 613, 604; \*\*536/119\*\*  
\*\*124\*\* [IMAGE AVAILABLE]

3. 5,017,398, May 21, 1991, Improved margarine compositions/containing solid sucrose polyesters; Ronald J. Jandacek, et al., 426/603, 601, 602, 604, 611, 604; \*\*536/119\*\* [IMAGE AVAILABLE]

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4. 4,973,682, Nov. 27, 1990, Process for the synthesis of \*\*polyol\*\*  
\*\*fatty\*\*  
\*\*acid\*\*  
\*\*polyesters\*\*  
Gerardus W. M. Willems, \*\*536/119\*\*  
\*\*115\*\*  
\*\*120\*\*  
\*\*124\*\*  
\*\*127\*\* [IMAGE AVAILABLE]

5. 4,973,581, Nov. 27, 1990, Process for stabilizing \*\*polyol\*\*  
\*\*fatty\*\*  
\*\*acid\*\*  
\*\*polyesters\*\*  
Mutsuhito Watanabe, \*\*536/119\*\*  
\*\*115\*\*  
\*\*116\*\*  
\*\*124\*\* [IMAGE AVAILABLE]

6. 4,958,791, Nov. 6, 1990, Process for the preparation of polyol fatty acid esters; Pleun Van Der Plank, \*\*536/119\*\*  
\*\*115\*\*  
\*\*116\*\*  
\*\*120\*\*  
\*\*124\*\* [IMAGE AVAILABLE]

7. 4,953,587, Aug. 28, 1990, Fatty acid esters of sugars and sugar alcohols; James Rodon, et al., \*\*536/119\*\*  
426/321, 602, 611, 612;  
514/23, 42, 53; \*\*536/115\*\* [IMAGE AVAILABLE]

8. 4,942,826, Jul. 17, 1990, Production of polyol polyesters having reduced color content; Michael S. Gibson, \*\*536/119\*\*  
260/405.6, 410.5;  
\*\*536/63\*\*  
560/234, 248 [IMAGE AVAILABLE]

9. 4,931,552, Jun. 5, 1990, Production of polyol polyesters having reduced color content; Michael S. Gibson, et al., \*\*536/119\*\*  
262/412.6;  
426, 428; \*\*536/124\*\* [IMAGE AVAILABLE]

10. 4,797,082, Jan. 10, 1989, Compositions containing novel solid hardenable, fat-like compounds; Ronald J. Jandacek, et al., 426/540, 541, 607, 611, 615, 620, 604; \*\*536/119\*\* [IMAGE AVAILABLE]

11. 4,705,490, Nov. 12, 1987, Weighting oil substitution; Larry V. Brown, 426/540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

12. 4,518,772, May 21, 1985, Synthesis of higher **\*\*polyol\*\*** **\*\*fatty\*\*** **\*\*acid\*\*** **\*\*polyesters\*\*** using high soap:polyol ratios; Robert A. Volpenhein, **\*\*536/119\*\***; 260/410.5; **\*\*536/124\*\***

13. 4,517,360, May 14, 1985, Synthesis of higher **\*\*polyol\*\*** **\*\*fatty\*\*** **\*\*acid\*\*** **\*\*polyesters\*\*** using carbonate catalysts; Robert A. Volpenhein, **\*\*536/119\*\***; 260/410.6; **\*\*536/124\*\***

14. 4,334,061, Jun. 8, 1982, Process for recovery of **\*\*polyol\*\*** **\*\*fatty\*\*** **\*\*acid\*\*** **\*\*polyesters\*\***; Joseph A. Bossier, III, **\*\*536/119\*\***; 260/410.6; **\*\*536/20\*\***, **\*\*63\*\***, **\*\*110\*\***, **\*\*115\*\***; 560/234, 248

15. 4,241,054, Dec. 23, 1980, Detoxifying lipophilic toxins; Robert A. Volpenhein, et al., 514/42; 426/601, 804; **\*\*536/115\*\***, **\*\*119\*\***

16. 3,963,699, Jun. 15, 1976, Synthesis of higher **\*\*polyol\*\*** **\*\*fatty\*\*** **\*\*acid\*\*** **\*\*polyesters\*\***; George Peter Rizzi, et al., **\*\*536/119\*\***; 260/410.6, 410.7; 426/611

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1. 5,021,256, Jun. 4, 1991, Shortening compositions containing polyol polyesters; Timothy B. Guffey, et al., 426/601; 260/410, 410.6; 426/603, 606, 607, 611, 613, 804; **\*\*536/119\*\***, **\*\*124\*\*** [IMAGE AVAILABLE]

2. 5,017,398, May 21, 1991, Improved margarine compositions/containing solid sucrose polyesters; Ronald J. Jandacek, et al., 426/603, 601, 602, 604, 611, 804; **\*\*536/119\*\*** [IMAGE AVAILABLE]

3. 4,968,791, Nov. 6, 1990, Process for the preparation of polyol fatty acid esters; Pleun Van Der Plank, **\*\*536/119\*\***, **\*\*115\*\***, **\*\*116\*\***, **\*\*120\*\***, **\*\*124\*\*** [IMAGE AVAILABLE]

4. 4,797,300, Jan. 10, 1989, Compositions containing novel solid, nondigestible, fat-like compounds; Ronald J. Jandacek, et al., 426/549, 501, 603, 611, 615, 658, 804; **\*\*536/119\*\*** [IMAGE AVAILABLE]

5. 4,334,061, Jun. 8, 1982, Process for recovery of **\*\*polyol\*\*** **\*\*fatty\*\*** **\*\*acid\*\*** **\*\*polyesters\*\***; Joseph A. Bossier, III, **\*\*536/119\*\***; 260/410.6; **\*\*536/20\*\***, **\*\*63\*\***, **\*\*110\*\***, **\*\*115\*\***; 560/234, 248

6. 3,963,699, Jun. 15, 1976, Synthesis of higher **\*\*polyol\*\*** **\*\*fatty\*\*** **\*\*acid\*\*** **\*\*polyesters\*\***; George Peter Rizzi, et al., **\*\*536/119\*\***; 260/410.6, 410.7; 426/611

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1. 4,015,267, Mar. 29, 1977, Method of preparing polysaccharide ethers and apparatus; Gordon Y. T. Liu, et al., **\*\*536/96\*\***, **\*\*84\*\***, **\*\*97\*\***, **\*\*91\*\***, **\*\*95\*\***, **\*\*97\*\***, **\*\*99\*\***

=> d 113 1-7

1. 5,023,254, Apr. 16, 1991, Sugar beet pectins and their use in conestibles; Michael K. Weibel, 514/57; 424/439, 441; 426/570, 602, 605, 615, 804; 514/54, 777, 781; **\*\*536/2\*\***, **\*\*56\*\***

2. 4,023,981, May 8, 1982, Use of parenchymal cell cellulose to improve conestibles; Michael K. Weibel, et al., **\*\*536/56\*\***; 424/439, 441; 426/570, 602, 605, 615 [IMAGE AVAILABLE]

4,517,338, May 14, 1985, Multiple reactor system and method for polynucleotide synthesis; Mickey S. Undea, et al., 525/54.11; 422/116, 131; 435/172.3, 287, 317.1, 320.1, 820; 525/54.1, 54.23; \*\*536/27\*\*;  
935/88

5. 4,484,012, Nov. 20, 1984, Production of mannitol and higher nanno-saccharide alcohols; Howard Stahl, et al., 568/863; 127/36, 43, 44; \*\*536/4.1\*\*, \*\*18.5\*\*, \*\*124\*\*; 568/852, 868

6. 4,483,980, Nov. 20, 1984, Process for separating glucose from polysaccharides by selective adsorption; Richard W. Neuzil, et al., \*\*536/127\*\*, \*\*124\*\*

7. 4,483,964, Nov. 20, 1984, Reactor system and method for polynucleotide synthesis; Mickey S. Undea, et al., 525/54.11; 422/116, 131; 435/172.3, 287, 317.1, 320.1, 820; 525/54.1, 54.23; \*\*536/27\*\*;  
935/88

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(FILE 'USPAT' ENTERED AT 13:41:57 ON 30 AUG 91)

L1 47 S POLYOL FATTY ACID POLYESTER#

L2 16 S L1 AND 536/CLAS

L3 3510 S MASS TRANSFER

L4 0 S L2 AND L3

L5 389 S INTERESTERIFICATION

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L6 6 S L2 AND L5

L7 501 S BACKMIXING

L8 0 S L2 AND L7

L9 0 S L1 AND L7

L10 1 S L7 AND 536/CLAS

L11 0 S L10 AND MASS TRANSFER

L12 1521 S PLUG-FLOW

L13 7 S L12 AND 536/CLAS

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